

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

STEFAN KNACKMUSS ET AL

U.S. Serial No. 10/574,961

Filed: July 5, 2006

SINGLE-CHAIN ANTIBODY ACTING AGAINST
37 KDA/67 KDA LAMININ RECEPTOR AS TOOLS
FOR THE DIAGNOSIS AND THERAPY OF PRION
DISEASES AND CANCER, PRODUCTION AND
USE THEREOF

Alexandria, Virginia
August 16, 2006

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.97

Dear Sir:

In relation to applicants' duty of disclosure,
applicants are herewith advising the Patent Office of the
following patent documents:

U.S. Patent No. 4,686,180;

European Application No. 1 127 894 A1;

WO 89/11273 A1;

TSE-Neurodegenerative Erkrankungen:
Gesundheitsforschung des BMBF, Online! 2001,
Pages 1-15, XP-002316009, February 2, 2005;

Roman Reiger et al: "The Human 37-kDa Laminin Receptor Precursor Interacts With The Prion Protein In Eukaryotic Cells"; Nature Medicine,

Nature Publishing, Volume 3, No. 12, Pages 1383-1388, XP-002094757, December 1997;

Coggin, J. H. Jr. et al: 37 KiloDalton Oncofetal Antigen Protein And Immature Laminin Receptor Protein Are Identical, Universal T-Cell Inducing Immunogens On Primary Rodent And Human Cancers; Anticancer Research, Hellenic Anticancer Institute, Athens, Greece; Pages 5535-5542, XP-002981891, November 1999;

Melvyn Little et al: Generation Of A Large Complex Antibody Library From Multiple Donors; Journal of Immunological Methods, Pages 3-9, December 1999;

Catherine Hutchings et al: Generation Of Naive Human Antibody Libraries; Antibody Engineering, Chapter 6, Pages 94-108, XP-002316010, 2001.

The above listed documents are set forth together with the patentee/applicant and publication date thereof in the attached PTO Form 1449. Copies of foreign documents and literature documents are also attached. The above documents were cited in the International Search Report attached to WO 2005/035580 A1 for International Application No. PCT/EP2004/011268, under which priority of the captioned application is claimed.

A copy of the International Search Report is attached.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicants do not waive any rights to take any action that

would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Respectfully submitted,

STEFAN KNACKMUSS ET AL

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Attachments - International Search Report
- PTO Form 1449 w/7 Documents

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Substitute for Form 1449A/PTO				Complete if Known	
				Application Number	10/574,961
				Filing Date	July 5, 2006
				First Named Inventor	Stefan Knackmuss et al
				Group Art Unit	
				Examiner Name	
Sheet	1	of	2	Attorney Docket Number	6713

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-4,686,180	August 11, 1987	Joseph Coggin, Jr. and William Payne, Jr.	
		US-			

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Figures Appear
		EP 1 127 894 A1	08/29/2001	Stefan Weiss	
		WO 89/11273 A1	11/30/1989	Erkki I. Ruoslahti et al	

Examiner Signature		Date Considered	
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for Form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/574,961
Sheet	2	of	2	Filing Date	July 5, 2006
				First Named Inventor	Stefan Knackmuss et al
				Group Art Unit	
				Examiner Name	
				Attorney Docket Number	6713

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ³
		GESUNDHEITSFORSCHUNG DES BMBF: "Vorhabenübersicht: TSE-Neurodegenerative Erkrankungen", Bekanntmachungen des Bundesministerium Fuer Bildung und Forschung, Online! 2001; Pages 1-15, XP-002316009, February 2, 2005.			
		ROMAN RIEGER ET AL: The Human 37-kDa Laminin Receptor Precursor Interacts With The Prion Protein In Eukaryotic Cells"; Nature Medicine, Nature Publishing, Volume 3, No. 12, Pages 1383-1388, XP-002094757, December 1997.			
		COGGIN, J. H. JR. ET AL: 37 KiloDalton Oncofetal Antigen Protein And Immature Laminin Receptor Protein Are Identical, Universal T-Cell Inducing Immunogens On Primary Rodent And Human Cancers; Anticancer Research, Hellenic Anticancer Institute; Athens, Greece; Bd. 19, Nr. 6C, Pages 5535-5542, XP-002981891; November 1999.			
		MELVYN LITTLE ET AL: Generation Of A Large Complex Antibody Library From Multiple Donors; Journal of Immunological Methods, Elsevier Science Publishers B.V., Amsterdam, Netherlands, Bd. 231, Nr. 1-2, Pages 3-9, December 1999.			
		CATHERINE HUTCHINGS ET AL: Generation Of Naive Human Antibody Libraries; Antibody Engineering, Chapter 6, Springer Verlag Berlin; Pages 94-108, XP-002316010, 2001.			

Examiner Signature	Date Considered
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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